

UNITED STATES GOVERNMENT

Memorandum

EP 65-279

DATE: 8 September 1965

25X1A TO : The Files: [REDACTED] Task Order 19

25X1A9a FROM : [REDACTED]

SUBJECT: Inspection Report No. 6 - OS/A-8 and OS/B-100 with [REDACTED]
[REDACTED]

25X1A5a1

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1. Project Description:

The OS/A-8 is a digitally tuned oscillator designed to replace crystals as the frequency determining element in agent transmitters. Frequency coverage is 2 - 11.99 Mc/s in 10 kc/s steps. The OS/B-100 is configured to mate with the RS-100 transmitter and, the output frequency is generated by a three phase, locked loop mixing scheme instead of a single loop.

2. Contractual Information:

- a. Initial Cost: [REDACTED]
- b. Request for Procurement Action: 4 June 1964
- c. Initiation Date: 29 June 1964 Change in Scope: 20 March 1965
- d. Completion Date: 31 March 1965
- e. Deliverable Items: 20 OS/A-8's and 1 OS/B-100

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3. Date of Meeting: 1 September 1965

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4. Place of Meeting: [REDACTED]

5. Persons Attending:

AgencyNon-Agency

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6. Contractor's Performance:

- a. On schedule and expected to remain so: Yes
- b. Within obligated funds and expected to remain so: Yes
- c. Satisfactory technical progress: Yes

7. Project Status:

~~SECRET~~

GROUP 1
Excluded from automatic
downgrading and
declassification

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7. Project Description:

The OS/B-100 has been breadboarded and adjustments are being made to those circuits that are not performing to complete satisfaction. Several acceptable circuits have been layed out in thin film form, and at least one is being fabricated. The problem areas at the moment involve the RC-VCO noise and lock range, spurious suppression in one of the three loops, and adequate power regulation.

Very little work has been done on the OS/A-8. The contractor is awaiting the results of the OS/B-100 in hopes that identical circuits can be used in both units.

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Distribution:

R&D Subject File
Engineering Section CB/PD/OL
R&D Lab
OC-OS
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Monthly (2)
EP Chrono

25X1A9aOC-E/R&D-EP [REDACTED]/bjp

(8 September 1965)

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